Plan to Use LaRC Hardware

1.0 LARC Equipment

We have identified the following hardware items in the LaRC DAAC which currently resides at GSFC as suitable items to help fulfill the needs of our benchmarking effort.

SPRHW-LARC-5

2	IO4 Cards
1	FDDI Controller
2	SCSI HIO Cards
6	2 x 90 MHz R8000 Boards[2]
2	512MB IMB Boards[1]
1	4.3 GB internal SCSI disk
1	RAID Cabinet[3]
15	4.3 GB RAID disks[3]

SPRHW-LARC-6

2	IO4 cards
1	FDDI controller
1	SCSI HIO card
5	2 x90 MHz R8000 Boards[2]
1	512MB IMB Boards [1]
1	4.3 GB internal SCSI disk
1	RAID Cabinet[3]
15	4.3 GB RAID disks[3]

Additional LARC Equipment

1	4.3 GB internal SCSI disk
15	4.3 GB RAID disks and 1 enclosure (from ACMHW)
30	4.3 GB RAID disks and 2 enclosures (from ICLHW)
15	4.3 GB RAID disks and 1 enclosure (from WKSHW)
2	CD-ROM

2.0 Supplemental SGI Equipment

The following equipment is not REL A. LARC equipment and must be received on loan from SGI to commence testing.

2	HIPPI HIO Boards w/ cables
6	2 x 200 MHz R10000 Boards
12	Phoenix controllers w/ Rev 9.0 Flare Code
1	BDS Server license
1	BDS Client license
2	Performance Copilot licenses

1- assumes we have high and not super density IMB Boards
2- in case we can't obtain R10000s
3- not itemized Release A. LaRC diagram

3.0 EDF Hardware, Software and Network Requirements

3.1 Hardware requirements

We do not see the need for any EDF hardware, as all of our hardware requirements should be met through the combination of LARC REL A. and SGI Hardware.

3.2 Software requirements

We will need IRIX 6.2 installed on both SPRHW-LARC-5 and SPRHW-LARC-6

3.3 Network requirements

Not applicable

4.0 Operational requirements

We will require the assistance of EDF personal in the setup of the hardware. We will also require the complete root privileges on both machines, as we will be doing system level configuration and optimization. We don't see this as a problem as we will be the sole users of the system.